

## Day 1: Tuesday, August 9, 2005

Time and location	Description
8:00-9:00 2nd Floor	Registration
8:15-9:00 Room 2-295	Breakfast at OISE/UT
9:00-9:30 Room 2-212	<b>Welcome: Knowledge Building Advances and New Challenges</b> – Marlene Scardamalia
9:30-10:00 Room 2-212	<p><b>The Agenda: An Overview</b></p> <ul style="list-style-type: none"> <li>• Overview of Sessions: Navigating the Summer Institute using the “Initiative on the New Economy” themes - Mary Lamon               <ul style="list-style-type: none"> <li>- Theoretical Models for Knowledge Creation</li> <li>- Educational Dynamics of Knowledge Creation</li> <li>- Globally Networked Knowledge Building Communities</li> <li>- Knowledge Building Technologies</li> </ul> </li> <li>• Knowledge Forum® 4.6/Summer Institute Database - Eric Cooper and Mary Lamon</li> <li>• Keynotes - Addresses, Panels &amp; Town Hall Meeting (Policy &amp; Reform) – Thérèse Laferrière</li> <li>• Analyses, Reflections and Tours (ART) - Jianwei Zhang and James McGuire</li> <li>• Poster &amp; Demonstration Session, Tomorrow’s Innovators, Advances and Next-steps – Richard Reeve</li> </ul>
10:00-10:30 Room 2-212	<b>Keynote: The New Creativity</b> – Carl Bereiter
10:30-10:45 Room 2-295	Break
10:45-12:00 Various locations	<p><b>Session I</b></p> <p><b>Session Ia: Analyses, Reflections and Tours (ART) Part I</b> - Chairs: Jianwei Zhang and James McGuire – Room 2-214</p> <ul style="list-style-type: none"> <li>• “Elementary Science” Zoe Donahue, Anton Yasnitsky and Don Philip</li> <li>• “Elementary Social Studies” Richard Messina, Don Philip and Chris Teplovs</li> </ul> <p><b>Session Ib: Knowledge Forum 4.6/Summer Institute Database</b> – Chairs: Eric Cooper and Mary Lamon (<i>Knowledge Building Technologies</i>) - Labs 1 and 2 (3<sup>rd</sup> Floor)</p> <p><b>Session Ic: Theoretical Models of Knowledge Creation</b> – Panel: Carl Bereiter, Earl Woodruff and Kai Hakkarainen (<i>Theoretical models for knowledge creation</i>) – Room 2-212</p>
12:00-1:00 Room 2-295	<b>Lunch at OISE/UT</b>
1:00-2:40 Room 2-212	<p><b>Keynote: Students from Rose Avenue Junior Public School Present Knowledge Building</b> - Chairs: Oksana Hohol and Sutapa Raybardhan, Toronto District School Board Guests: Geraldine Connelly (Director of Education) and Norbert Hartmann (Executive Superintendent, Information Services) and students. (<i>Educational Dynamics of Knowledge Creation</i>)</p>
2:40-3:00 Room 2-295	Break – Keynote reception
3:00-4:30 Various Locations	<p><b>Session II</b></p> <p><b>Session IIa: In Real Life, Math and Enjoyment Don't Go Together - In Knowledge Forum Math = Enjoyment! Grade 4 children work together to build their understanding of mathematical functions</b> – Chair: Joan Moss. Participants: Ruth Beatty, Bev Caswell, Susan Martin, Sutapa Raybarden, Gina Shillolo and Samantha Barkin (<i>Educational Dynamics of Knowledge Creation</i>) Room 2-212</p> <p><b>Session IIb: Assessing the Dynamics of Knowledge Growth</b> – Chair: Ann Russell (<i>Educational Dynamics of Knowledge Creation</i>) Room 2-211</p> <ul style="list-style-type: none"> <li>• Understanding Online Threaded Discussion through Positioning Analysis. Allan Yuen and Nicol Pan</li> <li>• Concurrent Self-Assessment for Knowledge Building Self-organizing Systems. Leila</li> </ul>

<b>3:00-4:30</b> <b>Various</b> <b>Locations</b> <b>(continued)</b>	<p>Lax, Anita Singh, Larry Librach, Sandra Langlands, Marlene Scardamalia, Lawrence Spero, Meaghan Brierley and Ju Ho Park</p> <ul style="list-style-type: none"> <li>• Collective Cognitive Responsibility in Knowledge Building Classes: A Focus on Social Network Structures. Jianwei Zhang, Marlene Scardamalia, Richard Reeve and Richard Messina</li> <li>• The Scan Rate Metric: A New Measure of Reading Activity in Knowledge Building Environments. Jim Hewitt, Clare Brett and Vanessa Peters</li> <li>• Evaluation of Knowledge Building Environments Using Data Mining Approaches: Preliminary Analysis and Future Directions. Ann Russell and Timo Honkela</li> </ul> <p><b>Session IIc: Knowledge Forum 4.6/Summer Institute Database</b> – Eric Cooper, Steve Swan and Bill DeSanctis (<i>Knowledge Building Technologies</i>) - Labs 1 and 2 (3<sup>rd</sup> Floor)</p> <p><b>Create your own session – sign-up in Room 2-212</b></p>
<b>4:30-6:00</b>	<p><b>Welcome Reception</b>  Duke of York, 39 Prince Arthur Avenue</p>

## Day 2: Wednesday, August 10, 2005

Time and location	Description
<b>8:00-9:00</b> <b>2nd Floor</b>	Registration
<b>8:15-9:00</b> <b>Room 2-295</b>	Breakfast at OISE/UT
<b>9:00-9:15</b> <b>Room 2-212</b>	<b>Round-robin and Agenda up-dates</b>
<b>9:15-10:40</b> <b>Various</b> <b>Locations</b>	<p><b>Session III</b></p> <p><b>Session IIIa: "Analyses, Reflections and Tours" Part II</b> Room 2-214</p> <ul style="list-style-type: none"> <li>• "Knowledge Building in Junior Kindergarten" Cindy Halewood, Anton Yasnitsky, Mary Lamon, Don Philip and Yanqing Sun</li> <li>• "Secondary Chemistry" Marie-Élaine Jobin, Mary Lamon and Don Philip</li> </ul> <p><b>Session IIIb: History and Social Studies</b> – Chair: Kevin O’Neill (<i>Educational Dynamics of Knowledge Creation</i>) Room 2-211</p> <ul style="list-style-type: none"> <li>• Is Knowledge Building Only for Certain Students? An Exploration of Online Interaction Patterns in Two Grade Ten Social Studies Courses. Hui Niu and Jan van Aalst</li> <li>• Doing the Discipline: An Investigation of how High School Students Understand Historical Knowledge Building. Mark Weiler and Kevin O’Neill</li> </ul> <p><b>Session IIIc: Getting Knowledge Building Happening in a District</b> – Steve Swan and Bill DeSanctis (<i>Educational Dynamics of Knowledge Creation</i>) Labs 1 and 2 (3<sup>rd</sup> Floor)</p> <p><b>Session IIIId: Integrating Institutional and Educational Practices</b> – Chair: Ola Erstad (<i>Globally Networked Knowledge Building Communities</i>) Room 2-212</p> <ul style="list-style-type: none"> <li>• Integrating Institutional And Educational Practices. Ola Erstad</li> <li>• Beyond Best Practices for Stewardship of Access to Data Generated by Publicly Funded Scientific Research in Canada: Leading the way for Global Access to Publicly Funded Research Results. Peter Pennefather and Paul Ulhir</li> <li>• Knowledge-Practices Laboratory. Kai Hakkarainen</li> <li>• Building a Knowledge Centric Organization – A Year Later. Blake Melnick</li> </ul>
<b>10:40-11:00</b> <b>Rom 2-295</b>	Break
<b>11:00-1:00</b> <b>Room 2-211</b>	<p><b>Poster &amp; Demonstration Session</b></p> <ul style="list-style-type: none"> <li>• New sites &amp; research projects</li> <li>• Demonstrations of new technologies and advances</li> </ul>

<p><b>11:00-1:00 Room 2-211 (continued)</b></p>	<ul style="list-style-type: none"> <li>• Session registration in Room 2-212</li> </ul> <p><b>Posters &amp; Demonstrations:</b></p> <ul style="list-style-type: none"> <li>• Teacher's Strategies for Developing Tutors' Skills. Mariella Luciani</li> <li>• Computer Supported Preparing and Performing Peer Tutoring. Chih-Ti Chen and Emily Ching</li> <li>• Ask the Author: Conference Supported System. Han-Zen Chang and Yi-Chan Deng</li> <li>• Scaffolding for In-service Teachers' Progressive Discourse in an Educational Reform Context. Christine Hamel and Stéphane Allaire</li> <li>• How Systematic Introduction of Knowledge Building Principles Affect Childrens' Understanding of Knowledge Building and of Scientific Concepts. Zoe Donahue and Richard Reeve</li> <li>• ANATOMIA: An Interactive Web-Based Resource to Assist Medical Students with Learning Complex Regions of Functional Human Anatomy. Jodie Jenkinson, Michael Wiley, Patricia Stewart and Bernard Liebgott</li> <li>• Knowledge Building in Service of Pre-service Teaching, for an Education in the Service of Sustained Progress. Kimberley MacKinnon</li> <li>• Blogging for Knowledge. Alexander McAuley</li> <li>• Seeking Conditions for Collaborative Knowledge Construction Supported by Knowledge Forum in Higher Education: An Experience of Design Research. Oscar Hernandez, Javier Sanchez and Vania Guerra</li> <li>• Integrating Knowledge Forum and Computer Programming: An Ongoing Investigation of Idea Improvement in Mathematics Education. Amy Paradine</li> <li>• Developing Intercultural Awareness through Digital Identity. Vito Fabio Fraccascia</li> <li>• Demo/Localization Tools: How to Translate Knowledge Forum into your Language. Eric Cooper, Andrew Green and Scott Trugman</li> <li>• The Learning Framework of Knowledge Building and Collective Wisdom: Advancement in the Virtual Learning Community. Yongcheng Gan and Zhiting Zhu</li> <li>• Best Practices in Student Engagement using Speech-to-Text Software. Judith Kimel and Richard Reeve</li> <li>• A Proposal to Advance the Critical Care Residency Program with Knowledge Building Pedagogy and Technology. Zahra Punja, Shelly Dev, Rob Fowler, Steve Shadowitz, Cameron Guest, Fred Brennanman, Lorraine Tremblay, William Sibbald, and Marlene Scardamalia</li> <li>• An Emerging Knowledge Building Site from Catalunya. Nicole Denayrolles</li> <li>• Building Partnerships to Support Innovation: New Teachers' Experience. Sandra Takyi and Charla Marshall</li> <li>• Integrating Information Skills. Katharina Berg</li> </ul>
<p><b>12:00-1:00 Room 2-212</b></p>	<p><b>Lunch at OISE/UT (concurrent with Poster &amp; Demonstration Session)</b></p>
<p><b>1:00-2:15 Room 2-212</b></p>	<p><b>Keynote: Panel - Principals' Perspectives on Knowledge Building</b> Chairs: Richard Reeve and Mary Lamon. Participants: Jim Kormos, Alyson McLelland and Elizabeth Morley. (<i>Policy and Reform</i>)</p>
<p><b>2:15-2:30 Room 2-295</b></p>	<p>Break</p>
<p><b>2:30-4:30 Various Locations</b></p>	<p><b><u>Session IV</u></b></p> <p><b>Session IVa: Tomorrow's Innovators Part I Students from the Institute of Child Study Lab School and North Agincourt Junior Public School - Knowledge Building</b> – Chairs: Zoe Donahue, Krista Dunlop, Richard Messina and Richard Reeve (<i>Educational Dynamics of Knowledge Creation</i>) - Labs 3 and 4 (3<sup>rd</sup> Floor)</p> <p><b>Session IVb: Bridging Worlds: Knowledge Forum and Third-Party Applications</b> - Chairs: Andrew Green, Chris Teplovs and Eric Cooper Labs 1 and 2 (3<sup>rd</sup> Floor)</p> <ul style="list-style-type: none"> <li>• Digital Language Learning Tools and Knowledge Forum. David Wible and Chin-hwa Kuo (Presenter: Rosa Chen)</li> <li>• Usability Testing Virtual Margins. Carl Forde</li> <li>• The Dashboard Project. Stéphane Allaire and Michelle Deschênes</li> </ul> <p><b>Session IVc: Teacher Development in the Knowledge Age: Pathways to Expertise</b> - Chair: Carol Chan (<i>Globally Networked Knowledge Building Communities</i>) Room 2-211</p>

<b>2:30-4:30 (continued)</b>	<ul style="list-style-type: none"> <li>• Teacher Expertise as Progressive Problem Solving. Mary Lamon</li> <li>• Scaffolding Student Teachers Online Discourse for Knowledge Building. Thérèse Laferrière</li> <li>• Teacher Educators' Practices when Engaging Pre-service Teachers in Progressive Online Discourse. Clare Brett</li> <li>• Graduate Students' Collaborative Progressive Discourse about Common Teaching Problems. Nobuko Fujita</li> </ul> <p><b>Create your own session – sign-up in Room 2-212</b></p>
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### Day 3: Thursday August 11<sup>th</sup> 2005

Time and location	Description
<b>8:15-9:00 Room 2-295</b>	Breakfast at OISE/UT
<b>9:00-9:15 Room 2-212</b>	<b>Round-robin and Agenda up-dates</b>
<b>9:15-10:35 Various Locations</b>	<p><b>Session V</b></p> <p><b>Session Va: "Analyses, Reflections and Tours" Part III</b> Room 2-214</p> <ul style="list-style-type: none"> <li>• "Secondary Science" Maximilian Wat, Mary Lamon, Don Philip and Chris Teplovs</li> <li>• "The IT Club" Vicky Yeung and Jianwei Zhang</li> <li>• "Elementary Integrated Unit" Marianne Bollstöm-Huttunen, Pirita Seitamaa-Hakkarainen, Mary Lamon and Don Philip</li> </ul> <p><b>Session Vb: An Online Introductory Tutorial on Knowledge Forum and Knowledge Building for Students.</b> Johnny Yuen (<i>Globally Networked Knowledge Building Communities</i>) Labs 1 and 2 (3<sup>rd</sup> Floor)</p> <p><b>Session Vc: Discourse Part I</b> – Chair: Don Philip (<i>Educational Dynamics of Knowledge Creation</i>) (Room 2-211)</p> <ul style="list-style-type: none"> <li>• Knowledge Building in the Canadian Adult Literacy Community: On-line Curriculum Deliberation in Knowledge Forum. Lori Herod</li> <li>• Literacy as a By-Product of Knowledge Building: An Analysis of Vocabulary Growth. Yanqing Sun, Jianwei Zhang and Marlene Scardamalia</li> <li>• Knowledge Building in the Classroom: Barriers, Suggestions, and Future Directions. Andrea Sator</li> <li>• Impediments to Knowledge Building in Computer Mediated Conferencing Courses. Vanessa Peters and Jim Hewitt</li> </ul>
<b>10:35-10:50</b>	Break
<b>10:50-12:10 Various Locations</b>	<p><b>Session VI</b></p> <p><b>Session VIa: "Analyses, Reflections and Tours" Part IV</b> Room 2-214</p> <ul style="list-style-type: none"> <li>• "Secondary Chinese Language" Wing Sze Lau and Jianwei Zhang</li> <li>• "Biomedical Communications" Leila Lax, Yongcheng Gan, and Chris Teplovs</li> <li>• "Pre-service Teachers" Stéphane Allaire</li> </ul> <p><b>Session VIb: Getting Started – The Catalunyan Perspective</b> – Chair: Mireia Montané (<i>Educational Dynamics of Knowledge Creation</i>) Labs 1 and 2 (3<sup>rd</sup> Floor)</p> <p><b>Session VIc: Discourse Part II</b> – Chair: Don Philip (<i>Educational Dynamics of Knowledge Creation</i>) Room 2-211</p> <ul style="list-style-type: none"> <li>• Communication Patterns and Ideas. Donald Philip</li> <li>• Progressive Inquiry Cycles in a Collaborative Lamp Design Process. Pirita Seitamaa-Hakkaraine, Merja Savolainen, Katri Kohonen and Kai Hakkarainen</li> <li>• Supporting Goal Setting and Peer Helping with Upgraded Animal Companions Ho-Yen Chang and Zhi-Hong Chen</li> <li>• Teacher Online Course for Professional Development. Vicky Yeung, Maximillian Wat and Wing Sze Lau</li> </ul>

12:10-1:10	<b>Lunch on your own (see list of local restaurants in Room 2-295)</b>
1:10-2:55 Room 2-212	<p><b>Keynote: Town Hall Meeting – Merging our agendas: Students, teachers, principals, parents and a Ministry of Education official discuss Knowledge Building as an educational reform</b> - Chair: Richard Reeve. Special Guest: Ben Levin (Government of Ontario, Deputy Minister of Education). Participants: Marlene Scardamalia, Christine Kormos, Thérèse Laferrière, Mary Lamon, and teachers, students, principals and parents from the Institute of Child Study Lab School, North Agincourt Junior Public School and Rose Avenue Junior Public School. (<i>Policy and Reform</i>)</p>
3:00-4:30 Various Locations	<p><b>Interactive Sessions VII</b></p> <p><b>Session VIIa: Tomorrow’s Innovators Part II: Students from the Institute of Child Study Lab School and North Agincourt Junior Public School - Knowledge Building</b> - Zoe Donahue, Krista Dunlop, Richard Messina and Richard Reeve Labs 3 and 4 (3<sup>rd</sup> Floor)</p> <p><b>Session VIIb: Science and Mathematics</b> – Chair: Nancy Law (<i>Educational Dynamics of Knowledge Creation</i>) Room 2-211</p> <ul style="list-style-type: none"> <li>• A Cognitive Approach to Comprehending Geometry Word Problems. Wing-Kwong Wong, Sheng-Cheng Hsu, Shih-Hung Hu, and Wen-Lian Hsu</li> <li>• Learning of Science in an Elementary Classroom through Knowledge Building. John Ow and Seng Chee Tan (Presenter: Jennifer Yeo)</li> <li>• Effects of People Knowledge on Scientific Knowledge Innovation. Huang-Yao Hong and Xiaodong Lin</li> <li>• Problem Solving with Computational Estimation: Going Beyond the Algorithm. Suzanne De Froy, Kim Delamere, Natalie Leitch, and Jane Marshall</li> <li>• Assessing Dynamics of Knowledge Creation in Communal Discourse: Microdevelopmental Perspective. Anton Yasnitsky</li> </ul> <p><b>Session VIIc: Healthcare and Knowledge Building</b> – Chair: Leila Lax (<i>Educational Dynamics of Knowledge Creation</i>) Room 2-212</p> <ul style="list-style-type: none"> <li>• Knowledge Building in Family Medicine: Challenges and Progress. Zahra Punja, Randall Lee, Paul Caulford and Marlene Scardamalia</li> <li>• Situated Training in the Professional Activity: A Case-Study of the use of the Knowledge Building Model in a Health Care Service. Stefano Cacciamani</li> <li>• Developing a Model of Distributed Knowledge Building in an End-of-Life Care Continuing Professional Development Initiative. Leila Lax, Anita Singh, Larry Librach, Sandra Langlands, Marlene Scardamalia, Lawrence Spero, Meaghan Brierley and Ju Ho Park</li> <li>• A Quantitative Look at Four Different Medical Discourses. Zahra Punja and Don Philip</li> </ul> <p><b>Session VIId: Knowledge Building Communities For Teacher Professional Development: The Case Of Francophone Classrooms/Développement professionnel et communautés de coélaboration de connaissances: Le cas de classes francophones.</b> – Chair: Thérèse Laferrière (<i>Globally Networked Knowledge Building Communities</i>) Room 2-212</p> <ul style="list-style-type: none"> <li>• Knowledge Building Practica for Pre-Service Teachers in a PDS Setting/Practica sur La coélaboration de Connaissances en Contexte D'école Associée, Stéphane Allaire</li> <li>• The Knowledge Building Community of a Beginning Teacher in a Private Secondary School/La Communauté d'élaboration de Connaissances d'une Enseignante Débutante dans une école Secondaire Privée. Marie-Élaine Jobin</li> <li>• The Knowledge Building Community of an In-Service Teacher in a Remote Networked School/La Communauté de Coélaboration de Connaissances d'une Enseignante d'une école éloignée. Sandrine Turcotte</li> <li>• The Knowledge Building Community of an Experienced Teacher in a Regular CEGEP/La communauté d'élaboration de Connaissances d'une Enseignante Expérimentée de CEGEP. Josée Larochelle.</li> </ul> <p><b>Create your own session – sign-up in Room 2-212</b></p>

## Day 4: Friday, August 12th, 2005

Time and location	Description
<b>8:15-9:00</b> <b>Room 2-295</b>	Breakfast at OISE/UT
<b>9:00-10:15</b> <b>Room 2-212</b>	<b>Keynote: Panel – Education Reform: Opportunities and Challenges</b> Chair: Marlene Scardamalia. Panelists: Stefano Cacciamani, Tak-Wai Chan, Ola Erstad, Thérèse Laferrière, Nancy Law, Mireia Montané, Cesar Nunes. ( <i>Globally Networked Knowledge Building Communities/Policy and Reform</i> )
<b>10:15-12:00</b> <b>Room 2-212</b>  <i>Clusters will move off to various rooms - see display in Room 2-212</i>	<b>Advances and Next-steps: Where do we go from here?</b> <ul style="list-style-type: none"> <li>• Participants will form into clusters to summarize advances and to discuss next-steps for the coming year</li> <li>• Clusters can form around any driving concern. The following SI headings are provided as a beginning point: <ul style="list-style-type: none"> <li>- Theoretical models for knowledge creation</li> <li>- Educational Dynamics of Knowledge Creation</li> <li>- Globally Networked Knowledge Building Communities (e.g. IKIT PD Network)</li> <li>- Knowledge Building Technologies</li> <li>- Analyses, Reflections and Tours (ART)</li> <li>- Policy and Reform</li> <li>- Tomorrow’s Innovators (e.g. IKIT Summer Camp)</li> </ul> </li> <li>• Clusters to prepare summary of advances and next-steps for presentation at 1:00</li> </ul>
<b>12:00-1:00</b>	<b>Lunch on your own (see list of local restaurants in Room 2-295)</b>
<b>1:00-2:15</b> <b>Room 2-212</b>	<b>Presentation of Advances and Next-steps</b> <ul style="list-style-type: none"> <li>• Clusters present a summary of their advances and next-steps</li> </ul>
<b>2:15-2:30</b> <b>Room 2-295</b>	Break
<b>2:30-3:30</b> <b>Room 2-212</b>	<b>Where Knowledge Building is Heading: Epistemic Agency Rising to a New Level</b> - Marlene Scardamalia and Carl Bereiter
<b>3:30-4:00</b> <b>Room 2-212</b>	<b>Closing Remarks &amp; Slideshow</b>
<b>7:00-11:00</b>	<b>Party at Carl and Marlene's house</b> 512 Markham St. (see attached map)